

REMARKS

Very thanks for Examination's suggestion and thanks for finding some citations about the present invention, thereby, the applicant may know more information about the invention. This case has been carefully reviewed and analyzed in view of the office action. All details of the reference prior arts are fully considered and compared with the present invention.

ABOUT THE REJECTION SPECIFICATION

Responsive to the objections and rejections made of the Examiner in office action. We have amended the specification, claims and abstracts. All the errors disclosed in that office action has been corrected according to the Examiner's indications disclosed in the official action.

ABOUT CLAIM REJECTION OF 35USC103

Indeed the citations disclose some features of the present invention, and the applicant agrees with these viewpoints, however applicant discovers that some main features of the present invention are not disclosed in the citation which can form the novelty and inventive step of the present invention.

To illustrate the novelty of the present invention and overcome the objection from the citations, the applicant decides to cancel Claims 2 to 4, without prejudice or disclaimer of the subject matter thereof, and amend claims 1 and 5. The amended claim 1 is based on the suggestion in the office action and the original claims 2 to 4 are incorporated into the amended claim 1. The amendment of claim 5 is based on the suggestion in the office action. Thereby, it is assured that the new claims are based on the original claim and specification and thus no new matter is added. The relation of the new claims with respect to the original claims are shown in the following.

**CLAIMS SHOW CHANGES AND NUMERALS FOR DISCUSSING IN
THE REMARK**

WHAT IS CLAIMED IS:

Claim 1. (Currently Amended) A liquid fuel combustion machine having water injection ~~An air explosive machine~~ comprising an outward cambered front surface, a tapered rear surface, an exhaust nozzle ~~air nozzle~~ 40 at a distal end of the rear surface and having a reduced opening; a check valve 41 pivotally installed on the exhaust nozzle ~~air nozzle~~; the front surface of the liquid fuel combustion machine ~~air explosive machine~~ 1 being formed with a plurality of fuel injection nozzles ~~oil injecting holes~~ and a plurality of water injection nozzles ~~moisture injecting holes~~ 112 for being connected with fuel atomizing ~~moisturizing~~ devices and moisture input devices; and.

~~2. The air explosive machine as claimed in claim 1, wherein~~ for the fuel atomizing device; the fuel injection nozzle in the front surface is installed with a fuel gasifying tube 26; each fuel gasifying tube is connected to a stub tube 221 for being connected with an oil tube and an air tube 25; a front end of the oil tube 22 is installed with an oil pump and an oil tank 20; a front end of the air tube 25 is installed with an air box 24; and the air box is connected to an air compressor 23;

~~3. The air explosive machine as claimed in claim 2, wherein~~ the oil tube 22 is installed with a main valve 27 and the air tube 25 is installed with another main valve 27; and

~~4. The air explosive machine as claimed in claim 2, wherein~~ the stub tube 221 is installed with a main valve 28.

Claims 2 to 4 (Cancelled)

Claim 5. (Currently Amended) The liquid fuel combustion machine having water injection ~~air explosive machine~~ as claimed in claim 1, wherein in the moisture input devices, a plurality of water injection nozzles ~~moisture injecting holes~~ 110 in a front surface of the combustion chamber ~~explosive air storage tank~~ 10 and a plurality of water injection nozzles ~~moisture injecting holes~~ 110 is formed in a lateral peripheral surface of the combustion chamber ~~explosive air storage tank~~ 10; each of the water injection nozzles ~~moisture injecting hole~~ 112,101 is formed with a water ~~moisture~~ nozzle 33; each water nozzle 33 is connected to the water pump 31 and the water box 30 through a transfer tube.

DISCUSSION ABOUT THE NOVELTY THE PRESENT INVENTION

(A) In the present invention, see Fig. 2 of the present invention, it is illustrated that the fuel gasifying tube 26 is connected to the air box 24 and oil tank 20. Thus fuel from the oil tank 20 and the gas from the air box 24 are mixed in the fuel gasifying tube 26 and then are injected into the combustion chamber 10.

There are two citations USP4385661 and USP4174941 are used to object the present invention. However the two citations do not disclosed anything about the air compressor and anything about air injection path. Thus, they do not disclose that the air and fuel are mixed in an injection tube and then are injected into the chamber for combustion. In most design, the air and fuel are mixed in the cylinder instead in the chamber of a cylinder. However, the design of the present invention will make the mixing of the air and fuel have higher efficiency.

(B) RESULT

From above discussion, it is known that the combination of all the citations cannot have the above feature which makes the combustion has higher efficiency .

Since in above discussion, it is apparent that no prior art has the features of the present invention, especially in the amended claim 1. Furthermore, as we know that no other prior art has features of the present invention. Thus, the present invention is novel and inventive.

If there is any error in the specification, or claims, applicant requests and authorizes Examiner to amend the claims, specification and drawings of the present invention so that they can match the requirement of U. S. Patent. Attentions of Examiner to this matter are greatly appreciated.

It is now believed that the subject Patent Application has been placed in condition for allowance, and such action is respectively requested.

Respectfully submitted.

SUN, SHU-HENG

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235 Chung – Ho Box 8-24

Taipei Taiwan R. O. C.